

What is claimed is:

1. A titanium oxide having a selected ion chromatogram in which an evolution gas having 28 of a ratio of mass number to electric charge quantity exhibits at least one peak at about 600°C or higher, the selected ion chromatogram being measured in a thermogravimetry-mass-spectroscopy.

2. The titanium oxide according to claim 1, further having a selected ion chromatogram in which an evolution gas having 14 of a ratio of mass number to electric charge quantity exhibits a peak at about 600°C or higher, the selected ion chromatogram being measured in a thermogravimetry-mass-spectroscopy.

3. The titanium oxide according to claim 1, wherein said pack of the evolution gas having 28 of a ratio of mass number to electric charge quantity is exhibited at about 950°C or lower.

4. The titanium oxide according to claim 2, wherein said pack of the evolution gas having 14 of a ratio of mass number to electric charge quantity is exhibited at about 950°C or lower.

5. The titanium oxide according to claim 1, further having a selected ion chromatogram in which an evolution gas having 64 of a ratio of mass number to electric charge quantity exhibits a peak at about 400°C or higher, the selected ion chromatogram being measured in a

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Sub 41

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9. A photocatalyst coating composition comprising the
ium oxide as claimed in any one of claims 1 to 5 and
vent.

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